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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	500.36547CC3
	First Inventor	YAMAMOTO, AKIRA
	Title	STORAGE CONTROLLER
	Express Mail Label No.	

APPLICATION ELEMENTS		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
<i>SEE MPEP chapter 600 concerning utility patent application contents.</i>		

<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages: 31] <i>(preferred arrangement set forth below)</i> -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R & D -Reference to sequence listing, a table, or a computer program listing appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Pages: 6]</p> <p>5. Oath or Declaration [Total Pages: 2] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>	<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i></p> <p>a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p>b. Specification Sequence Listing on:</p> <p>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</p> <p>ii. <input type="checkbox"/> paper</p> <p>c. <input type="checkbox"/> Statements verifying identity of above copies</p>
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ACCOMPANYING APPLICATION PARTS	
<p>9. <input type="checkbox"/> Assignment Papers (cover sheet & documents(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: Claim for Priority</p>	

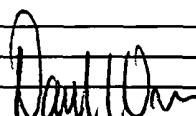
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/139,248

Prior application information: Examiner: G. Portka Group Art Unit: 2188

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		020457		or <input type="checkbox"/> Correspondence address below <i>(Insert Customer No. or Attach bar code label here)</i>	
Name		ANTONELLI, TERRY, STOUT & KRAUS, LLP			
Address					
City		State		Zip Code	
Country		Telephone	(703) 312-6600	Fax	(703) 312-6666
Name	David C. Oren			Registration No. (Attorney/Agent)	38,694
Signature				Date	JULY 9, 2003

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,038.00)

Complete if Known	
Application Number	Rule 53(b) of 10/139,248
Filing Date	July 9, 2003
First Named Inventor	YAMAMOTO, AKIRA
Examiner Name	Unassigned
Art Unit	Unassigned
Attorney Docket No.	500.36547CC3

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None Deposit Account:

Deposit Account Number 01-2135

Deposit Account Name Antonelli, Terry, Stout & Kraus, LLP

The Commissioner authorized to: (check all that apply)

Charge fees indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fees indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Entity Fee (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001	750	2001	375 Utility filing fee	750.00
1002	330	2002	165 Design filing fee	
1003	520	2003	260 Plant filing fee	
1004	750	2004	375 Reissue filing fee	
1005	160	2005	80 Provisional filing fee	
SUBTOTAL (1)				750.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Fee from below	Fee Paid
Total Claims	Extra Claims	x 18.00	=
22	-20** = 2	x 18.00	= 36.00
Indep. Claims	6 -3** = 3	x 84.00	= 252.00
Multiple Dependent		=	

Large Entity Fee Code (\$)	Entity Fee (\$)	Small Entity Fee Code (\$)	Fee Description
1202	18	2202	9 Claims in excess of 20
1201	84	2201	42 Independent claims in excess of 3
1203	280	2203	140 Multiple dependent claim, if not paid
1204	84	2204	42 ** Reissue independent claims over original patent
1205	18	2205	9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) \$ 288.00			

**or number previously paid, if greater. For Reissues, see above.

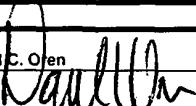
FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051 Surcharge – late filing fee or oath	65
1052	50	2052 Surcharge – late provisional filing fee or cover sheet	25
1053	130	1053 Non-English specification	130
1812	2,520	1812 For filing a request for ex parte reexamination	2,520
1804	920*	1804 Requesting publication of SIR prior to Examination action	920*
1805	1,840*	1805 Requesting publication of SIR after Examiner action	1,840*
1251	110	2251 Extension for reply within first month	55
1252	410	2252 Extension for reply within second month	205
1253	930	2253 Extension for reply within third month	465
1254	1,450	2254 Extension for reply within fourth month	725
1255	1,970	2255 Extension for reply within fifth month	985
1401	320	2401 Notice of Appeal	160
1402	320	2402 Filing a brief in support of an appeal	160
1403	280	2403 Request for oral hearing	140
1451	1,510	1451 Petition to institute a public use proceeding	1,510
1452	110	2452 Petition to revive – unavoidable	55
1453	1,300	2453 Petition to revive – unintentional	650
1501	1,300	2501 Utility issue fee (or reissue)	650
1502	470	2502 Design issue fee	235
1503	630	2503 Plant issue fee	315
1406	130	1460 Petitions to the Commissioner	130
1807	50	1807 Processing fee under 37 CFR 1.17(q)	50
1806	180	1806 Submission of Information Disclosure Stmt	180
8021	40	8021 Recording each patent assignment per property (times number of properties)	40
1809	750	2809 Filing a submission after final rejection (37 CFR § 1.129(a))	375
1810	750	2810 For each additional invention to be examined (37 CFR § 1.129(b))	375
1801	750	2801 Request for Continued Examination (RCE)	375
1802	900	1802 Request for expedited examination of a design application	900
Other fee (specify) _____			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	David C. Olen	Registration No. (Attorney/Agent)	38,694	Telephone
Signature		Date	07/09/2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

